

WE CLAIM:

1. An electrophotographic printer having a high speed toning shell, comprising:
a developer station, comprising a toner blender, toner bucket and toning shell, the
toner blender driven by a blender drive shaft, the toner bucket driven by a
5 bucket drive shaft;
a first intermediate drive sprocket affixed to the blender drive shaft such that
rotation of the blender drive shaft directly causes rotation of the first
intermediate drive sprocket;
a second intermediate drive sprocket affixed to the bucket drive shaft to permit
10 free rotation of the second intermediate drive sprocket relative to the bucket
drive shaft;
an intermediate drive chain connecting the first and second intermediate drive
sprockets, wherein the second intermediate drive sprocket has a larger
diameter than the first intermediate drive sprocket;
15 a first primary drive sprocket affixed to the second intermediate drive sprocket,
such that rotation of the second intermediate drive sprocket directly causes
rotation of the first primary drive sprocket;
a second primary drive sprocket affixed to the toning shell;
a primary drive chain connecting the first and second primary drive sprockets,
20 wherein the first primary drive sprocket has a smaller diameter than the
second primary drive sprocket.
2. The electrophotographic printer of claim 1, further comprising a tension sprocket
assembly to maintain tension on the intermediate drive chain.
3. The electrophotographic printer of claim 2, wherein the tension sprocket assembly
25 comprises a tension sprocket that is biased against the intermediate drive chain to
exert tensioning pressure on the intermediate drive chain.
4. The electrophotographic printer of claim 3, wherein the tension assembly is
biased against the drive chain by a spring.

5. An electrophotographic developing station having a high speed toning shell, comprising:
- a toner blender, toner bucket and toning shell, the toner blender driven by a blender drive shaft, the toner bucket driven by a bucket drive shaft;
 - 5 a first intermediate drive sprocket affixed to the blender drive shaft such that rotation of the blender drive shaft directly causes rotation of the first intermediate drive sprocket;
 - a second intermediate drive sprocket affixed to the bucket drive shaft to permit free rotation of the second intermediate drive sprocket relative to the bucket drive shaft;
 - 10 an intermediate drive chain connecting the first and second intermediate drive sprockets, wherein the second intermediate drive sprocket has a larger diameter than the first intermediate drive sprocket;
 - a first primary drive sprocket affixed to the second intermediate drive sprocket, such that rotation of the second intermediate drive sprocket directly causes rotation of the first primary drive sprocket;
 - 15 a second primary drive sprocket affixed to the toning shell; and
 - a primary drive chain connecting the first and second primary drive sprockets, wherein the first primary drive sprocket has a smaller diameter than the second primary drive sprocket.
 - 20
6. A bearing cap assembly, comprising:
- a bearing cap body, containing at least one bearing; and
 - a tension sprocket assembly secured to the bearing cap body.
7. The bearing cap assembly of claim 6, wherein the tension sprocket assembly comprises:
- 25 a tension sprocket mounted on a shaft, the shaft secured to a backplate;
 - the backplate slidably secured in a channel in the bearing cap body such that the backplate may slide within the channel and is biased to provide tensioning pressure to drive chain passing over the tension sprocket.
 - 30

8. A bearing cap assembly comprising:
a bearing housing enclosing first and second bearings and a tension sprocket
assembly located between the first and second bearings.
- 5 9. The bearing cap assembly of claim 8, wherein the tension sprocket assembly is
located to tension a chain passing over first and second drive sprockets mounted
on first and second shafts positioned in the first and second bearings and is biased
against the chain.
- 10 10. An electrophotographic printer, comprising a bearing cap assembly, the bearing
cap assembly comprising:
a bearing cap housing, containing at least one bearing; and
a tension sprocket assembly affixed to the bearing cap housing.
- 15 11. The electrophotographic printer of claim 10, wherein the tension sprocket
assembly comprises:
a tension sprocket mounted on a shaft, the tension sprocket assembly biased to
provide tensioning pressure to a chain passing over the tension sprocket.
12. The electrophotographic printer of claim 10, wherein the tension sprocket
assembly is biased by a spring.
- 20 13. An electrophotographic printer comprising a bearing cap assembly, the bearing
cap assembly comprising:
a bearing housing enclosing first and second bearings and a tension sprocket
assembly located between the first and second bearings.
- 25 14. The bearing cap assembly of claim 13, wherein the tension sprocket assembly is
located to tension a chain passing over first and second drive sprockets mounted
on first and second shafts positioned in the first and second bearings.